

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| L1 | 2248 | 375/341,265,259,262.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/12 16:37 |
| L2 | 175 | tuple and trellis | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/12 16:37 |
| L3 | 47 | L2 and l1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/12 16:37 |
| S1 | 28 | tccm | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/12 15:24 |
| S2 | 0 | "20020037055".URPN. | USPAT | OR | OFF | 2004/10/12 18:46 |
| S3 | 39 | turbo near trellis near code\$1 near modulation | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/12 18:50 |
| S4 | 22 | (turbo near trellis near code\$1 near modulation) and map\$4 | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/12 18:51 |
| S5 | 1 | ((turbo near trellis near code\$1 near modulation) and map\$4) and shap\$4 | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/12 18:51 |
| S6 | 13 | ((turbo near trellis near code\$1 near modulation) and map\$4) and constellation | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/12 19:03 |
| S7 | 10 | tccm and map\$4 | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/13 10:23 |
| S8 | 61 | turbo near trellis | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/13 10:23 |

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| S9 | 36 | map\$4 and (turbo near trellis) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/13 10:25 |
| S10 | 329 | coset | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/13 10:25 |
| S11 | 0 | coset and ttcn | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/13 10:26 |
| S12 | 1 | coset and (turbo near trellis) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/13 10:34 |
| S13 | 0 | (trellis near shaping) and (turbo near trellis) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/13 10:34 |
| S14 | 32 | trellis near shaping | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 13:24 |
| S15 | 2 | "6252911".URPN. | USPAT | OR | OFF | 2004/10/13 10:46 |
| S16 | 3 | ttcn and shaping | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/13 13:30 |
| S17 | 110 | shell near map\$4 | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/13 13:31 |
| S18 | 1 | ((shell near map\$4) and trellis) and ttcn | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/13 13:31 |
| S19 | 1 | ((shell near map\$4) and trellis) and turbo | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/13 13:31 |
| S20 | 56 | (shell near map\$4) and trellis | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/13 13:32 |
| S21 | 37 | ((shell near map\$4) and trellis) and ((pre near cod\$4) or precod\$4) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/13 13:32 |

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| S22 | 28 | ttdm | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 12:25 |
| S23 | 68 | ttdm or (trellis near turbo) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 12:25 |
| S24 | 14 | (ttdm or (trellis near turbo)) same (constellation or shaping) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 12:42 |
| S25 | 0 | (ttdm or (trellis near turbo)) and forney.in. | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 12:42 |
| S26 | 0 | (ttdm or (trellis near turbo)) and eyuboglu.in. | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 12:45 |
| S27 | 2 | (ttdm or (trellis near turbo)) and precoding | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 12:45 |
| S28 | 3 | (ttdm or (trellis near turbo)) and (precoding or (pre near2 coding)) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 12:47 |
| S29 | 75 | shell near mapping | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 12:47 |
| S30 | 0 | (turbo near trellis) same advantage same isi | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 13:08 |
| S31 | 1 | (turbo near trellis) same isi | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 13:09 |
| S32 | 5 | (turbo near coding) same constellation | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 13:09 |
| S33 | 6 | (turbo near coding) same constellation | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/10/17 13:21 |

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| S34 | 64 | turbo same shaping | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/10/17 13:21 |
| S35 | 3 | (turbo near trellis) same shaping | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/10/17 13:21 |
| S36 | 0 | (turbo near coding) same shaping | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/10/17 13:21 |
| S37 | 15 | (turbo near coding) and shaping | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/10/17 13:22 |
| S38 | 2 | ("5150381").PN. | USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 13:24 |
| S39 | 31 | "5150381".URPN. | USPAT | OR | OFF | 2004/10/17 13:26 |
| S40 | 8 | ("4581601" "4586182" "4755998" "4807253" "4873701" "4888779" "4894844" "4959842").PN. | USPAT | OR | OFF | 2004/10/17 13:38 |
| S41 | 13 | (US-6711206-\$ or US-5465273-\$ or US-5150381-\$ or US-6587512-\$ or US-5654986-\$ or US-5388124-\$ or US-4959842-\$ or US-5774500-\$ or US-5214672-\$).did. or (US-20020037055-\$ or US-20020031190-\$ or US-6088387-\$ or US-5214672-\$). did. | USPAT; DERWENT | OR | OFF | 2004/10/17 14:12 |
| S42 | 3 | ((US-6711206-\$ or US-5465273-\$ or US-5150381-\$ or US-6587512-\$ or US-5654986-\$ or US-5388124-\$ or US-4959842-\$ or US-5774500-\$ or US-5214672-\$).did. or (US-20020037055-\$ or US-20020031190-\$ or US-6088387-\$ or US-5214672-\$). did.) and turbo | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 14:15 |
| S43 | 0 | forney.in. and turbo | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 14:20 |

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| S44 | 0 | codex.as. and turbo | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 14:20 |
| S45 | 339 | codex.as. | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 14:20 |
| S46 | 40 | codex.as. and trellis | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 14:20 |
| S47 | 0 | (codex.as. and trellis) and turbo | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 14:20 |
| S48 | 13 | ((US-6711206-\$ or US-5465273-\$ or US-5150381-\$ or US-6587512-\$ or US-5654986-\$ or US-5388124-\$ or US-4959842-\$ or US-5774500-\$ or US-5214672-\$).did. or (US-20020037055-\$ or US-20020031190-\$ or US-6088387-\$ or US-5214672-\$). did. | USPAT; DERWENT | OR | OFF | 2004/10/17 17:06 |
| S49 | 7 | ((US-6711206-\$ or US-5465273-\$ or US-5150381-\$ or US-6587512-\$ or US-5654986-\$ or US-5388124-\$ or US-4959842-\$ or US-5774500-\$ or US-5214672-\$).did. or (US-20020037055-\$ or US-20020031190-\$ or US-6088387-\$ or US-5214672-\$). did.) and (round or spherical or circ\$5) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 16:41 |
| S50 | 6 | ((US-6711206-\$ or US-5465273-\$ or US-5150381-\$ or US-6587512-\$ or US-5654986-\$ or US-5388124-\$ or US-4959842-\$ or US-5774500-\$ or US-5214672-\$).did. or (US-20020037055-\$ or US-20020031190-\$ or US-6088387-\$ or US-5214672-\$). did.) and (round or spherical or circle or circular) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 16:41 |

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| S51 | 22 | (US-6711206-\$ or US-5465273-\$ or US-5150381-\$ or US-6587512-\$ or US-5654986-\$ or US-5388124-\$ or US-4959842-\$ or US-5774500-\$ or US-5214672-\$).did. or (US-20020037055-\$ or US-20020031190-\$ or US-6088387-\$ or US-5214672-\$). did. | USPAT; DERWENT | OR | OFF | 2004/10/17 17:06 |
| S52 | 2 | ((US-6711206-\$ or US-5465273-\$ or US-5150381-\$ or US-6587512-\$ or US-5654986-\$ or US-5388124-\$ or US-4959842-\$ or US-5774500-\$ or US-5214672-\$).did. or (US-20020037055-\$ or US-20020031190-\$ or US-6088387-\$ or US-5214672-\$). did.) and shell and coset | USPAT; DERWENT | OR | ON | 2004/10/17 17:15 |
| S53 | 5 | shell and ttcn | USPAT; DERWENT | OR | ON | 2004/10/17 17:15 |
| S54 | 1 | shell and (turbo near trellis) | USPAT; DERWENT | OR | ON | 2004/10/17 17:16 |
| S55 | 101 | shell near map\$4 | USPAT; DERWENT | OR | ON | 2004/10/17 17:17 |
| S56 | 52 | (shell near map\$4) and trellis | USPAT; DERWENT | OR | ON | 2004/10/17 17:17 |
| S57 | 1 | (shell near map\$4) and (trellis near turbo) | USPAT; DERWENT | OR | ON | 2004/10/17 17:17 |
| S58 | 43 | (shell near map\$4) and (trellis and shaping) | USPAT; DERWENT | OR | ON | 2004/10/17 17:17 |
| S59 | 13 | (US-6711206-\$ or US-5465273-\$ or US-5150381-\$ or US-6587512-\$ or US-5654986-\$ or US-5388124-\$ or US-4959842-\$ or US-5774500-\$ or US-5214672-\$).did. or (US-20020037055-\$ or US-20020031190-\$ or US-6088387-\$ or US-5214672-\$). did. | USPAT; DERWENT | OR | OFF | 2004/10/17 18:25 |
| S60 | 1 | ((US-6711206-\$ or US-5465273-\$ or US-5150381-\$ or US-6587512-\$ or US-5654986-\$ or US-5388124-\$ or US-4959842-\$ or US-5774500-\$ or US-5214672-\$).did. or (US-20020037055-\$ or US-20020031190-\$ or US-6088387-\$ or US-5214672-\$). did.) and (decod\$4 with table) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 18:25 |

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| S61 | 1 | ((US-6711206-\$ or US-5465273-\$ or US-5150381-\$ or US-6587512-\$ or US-5654986-\$ or US-5388124-\$ or US-4959842-\$ or US-5774500-\$ or US-5214672-\$).did. or (US-20020037055-\$ or US-20020031190-\$ or US-6088387-\$ or US-5214672-\$). did.) and (decod\$4 with probability) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/17 18:27 |
| S62 | 52 | trellis and decod\$4 and histogram | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/10/17 18:28 |
| S63 | 1 | (trellis and decod\$4 and histogram) and tcm | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/10/17 18:27 |
| S64 | 8 | trellis and (decod\$4 same histogram) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/10/17 18:28 |
| S65 | 107 | tuple and trellis | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/12 15:24 |
| S66 | 175 | tuple and trellis | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/12 15:25 |
| S67 | 7 | tuple and (trellis near (precoding (pre adj2 coding))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/12 16:35 |